

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Martin DIETERLE, et al.

SERIAL NO: 10/667,786

GAU: 1754

FILED: September 23, 2003

EXAMINER:

FOR: HETEROGENEOUSLY CATALYZED GAS-PHASE PARTIAL OXIDATION OF ACROLEIN TO ACRYLIC ACID



**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
WASHINGTON, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Norman F. Oblon

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Docket No. 243117US0/shb

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COMMISSIONER FOR PATENTS  
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**CERTIFICATION**

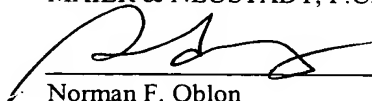
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
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**STATEMENT OF RELEVANCY**

References AN through AU and AW through BA on Form PTO 1449 are discussed in the specification.

| Form PTO 1449<br>(Modified)  |    | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |            | ATTY DOCKET NO.<br><b>243117US0</b>                                  |  | SERIAL NO.<br><b>10/667,786</b> |                               |
|--|----|--|------------|--|--|---------------------------------|-------------------------------|
| LIST OF REFERENCES CITED BY APPLICANT<br>   |    |  |            | APPLICANT<br><b>Martin DIETERLE, et al.</b>                          |  |                                 |                               |
|  |    |  |            | FILING DATE<br><b>September 23, 2003</b>                             |  | GROUP<br><b>1754</b>            |                               |
| <b>U.S. PATENT DOCUMENTS</b>   |    |  |            |  |  |                                 |                               |
| EXAMINER<br>INITIAL  |    | DOCUMENT<br>NUMBER   | DATE       | NAME   | CLASS  | SUB<br>CLASS                    | FILING DATE<br>IF APPROPRIATE |
|  | AA | 5,677,261  | 10/14/1997 | A. TENTEN, et al.  |  |                                 |                               |
|  | AB | 5,910,608  | 06/08/1999 | A. TENTEN, et al.  |  |                                 |                               |
|  | AC | 6,169,214  | 01/02/2001 | A. TENTEN, et al.  |  |                                 |                               |
|  | AD | 5,739,391  | 04/14/1998 | W. RUPPEL, et al.  |  |                                 |                               |
|  | AE | 2003/0187298 A1  | 10/02/2003 | F. BORGMEIER, et al.   |  |                                 |                               |
|  | AF | 6,407,280  | 06/18/2002 | S. CHATURVEDI, et al.  |  |                                 |                               |
|  | AG | 6,504,053  | 01/07/2003 | S. CHATURVEDI, et al.  |  |                                 |                               |
|  | AH | 2002/0065431 A1  | 05/30/2002 | S. CHATURVEDI, et al.  |  |                                 |                               |
|  | AI | 6,036,880  | 03/14/2000 | S. KOMADA, et al.  |  |                                 |                               |
|  | AJ | 6,063,728  | 05/16/2000 | H. HINAGO, et al.  |  |                                 |                               |
|  | AK | 6,143,916  | 11/07/2000 | H. HINAGO, et al.  |  |                                 |                               |
|  | AL | 2003/0187299 A1  | 10/02/2003 | O. MACHHAMMER, et al.  |  |                                 |                               |
|  | AM | 2003/0181762 A1  | 09/25/2003 | O. MACHHAMMER, et al.  |  |                                 |                               |
| <b>FOREIGN PATENT DOCUMENTS</b>  |    |  |            |  |  |                                 |                               |
|  |    | DOCUMENT<br>NUMBER   | DATE       | COUNTRY  | TRANSLATION  |                                 |                               |
|  |    |  |            |  | YES  | NO                              |                               |
|  | AN | 0 714 700  | 06/05/1996 | EUROPE (corr. US 5,677,261, US 5,910,608 and US 6,169,214)           |  | X                               |                               |
|  | AO | 0 700 893  | 03/13/1996 | EUROPE (corr. US 5,739,391)  |  | X                               |                               |
|  | AP | 101 19 933   | 10/24/2002 | GERMANY (corr. US 2003/0187298)                                      |  | X                               |                               |
|  | AQ | 101 18 814   | 10/24/2002 | GERMANY (corr. USSN 10/474,202)                                      |  | X                               |                               |
|  | AR | 1 090 684  | 04/11/2001 | EUROPE   |  |                                 |                               |
|  | AS | 11-343261  | 12/14/1999 | JAPAN (with English Abstract)  |  | X                               |                               |
|  | AT | 11-343262  | 12/14/1999 | JAPAN (with English Abstract)  |  | X                               |                               |
|  | AU | 0 938 463  | 09/01/1999 | EUROPE (English Abstract only and with corr. WO 97/36849)            |  |                                 |                               |
|  | AV | WO 97/36849  | 10/09/1997 | WIPO   |  |                                 |                               |
|  | AW | 1 192 987  | 04/03/2002 | EUROPE (corr. US 6,407,280, US 6,504,053 and US 2002/0065431)        |  |                                 |                               |
|  | AX | 198 35 247   | 02/11/1999 | GERMANY (corr. US 6,036,880, US 6,063,728 and US 6,143,916)          |  | X                               |                               |
|  | AY | 101 22 027   | 05/23/2002 | GERMANY (corr. US 2003/0187298, US 2003/0187299 and US 2003/0181762) |  | X                               |                               |
|  | AZ | 100 51 419   | 04/18/2002 | GERMANY (corr. US 2003/0187298, US 2003/0187299 and US 2003/0181762) |  | X                               |                               |
|  | BA | 100 46 672   | 03/28/2002 | GERMANY (corr. US 2003/0187298, US 2003/0187299 and US 2003/0181762) |  | X                               |                               |
| <b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>   |    |  |            |  |  |                                 |                               |
|  | BB |  |            |  | <input type="checkbox"/> Additional References sheet(s) attached |                                 |                               |
| Examiner   |    |  |            |  | Date Considered  |                                 |                               |
| *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |    |  |            |  |  |                                 |                               |